

**ABSTRACT OF THE DISCLOSURE**

A base station apparatus for a radiocommunication network in which radiocommunication with one or more radio terminal apparatuses is established according to a frequency hopping scheme. The base station apparatus includes a search section which searches for another radiocommunication network in the vicinity of the base station apparatus when the base station apparatus is started, and when another radiocommunication network is detected, obtains the pattern and time of frequency hopping in another radiocommunication network. A frequency hopping selection/setting section selects the pattern obtained by the search section as the frequency hopping pattern for the base station apparatus, and selects, on the basis of the time obtained by the search section, timing at which the frequency hopping based on the pattern does not cause frequency interference with respect to frequency hopping performed in another radiocommunication network, and carries out frequency hopping of the pattern at the thus-selected timing. It becomes possible to improve the throughput of the network system such as a radio LAN.